

RPPB1607

Product Information Protein Information

Product SKU:

RPPB1607

Accession:

P30084

Host:

Escherichia Coli.

Protein description:

ECHS1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 284 amino acids (28-290 a.a) and having a molecular mass of 30.6kDa. ECHS1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Enoyl-CoA Hydratase, Short Chain1, Enoyl Coenzyme A Hydratase, Short Chain, 1, Mitochondrial, Enoyl-CoA Hydratase, Short Chain, 1, Mitochondrial, Short Chain Enoyl-CoA Hydratase, EC 4.2.1.17, SCEH, Enoyl-CoA Hydratase, Mitochondrial, Short-Chain Enoyl-CoA Hydratase, Enoyl-CoA Hydratase 1, EC 4.2.1, ECHS1D, ECHS1 .

Formulation:

ECHS1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% Glycerol and 100mM NaCl.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MASGANFEYI IAEKRGKNNT VGLIQLNRPK ALNALCDGLI DELNQALKIF
EEDPAVGAIV LTGGDKAF AA GADIKEMQNL SFQDCYSSKF LKHWDHLTQV KKPVIAAVNG YAFGGGCELA
MMCDIYAGE KAQFAQPEIL IGTIPGAGGT QRLTRAVGKS LAMEMVLTGD RISAQDAKQA GLVSKICPVE
TLVEEAIQCA EKIASNSKIV VAMAKESVNA AFEMTLTEGS KLEKLFYST FATDDRKEGM TAFVEKRKAN FKDQ.

Biological Activity:

Specific activity is > 150 units/mg, and is defined as the amount of enzyme that hydrolyzes 1.0 umole of crotonoyl-CoA to hydroxybutyryl-CoA per minute per minute at pH 7.5 at 25°C.